AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A transgenic bird

which is obtained as a G1 transgenic bird or an offspring thereof by: incubating a fertilized avian egg,

- a) microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein,
- b) allowing the egg to hatch out to thereby obtain a G0 transgenic chimeric bird, and
- c) mating the G0 transgenic chimeric bird with another G0 transgenic chimeric bird or an offspring thereof or with a wild-type bird.
 - 2. (original): The transgenic bird according to Claim 1

wherein the early embryo is at least 24 hours after the start of incubation.

3. (original): The transgenic bird according to Claim 2

wherein the early embryo is at least 48 hours after the start of incubation.

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Preliminary Amendment

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4. (currently amended): The transgenic bird according to Claim 1 any one of Claims 1-to

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wherein the desired protein is an antibody.

5. (currently amended): The transgenic bird according to Claim 1 any one of Claims 1 to

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wherein the bird is a chicken or a quail.

6. (currently amended): A transgenic bird

which is a G2 transgenic bird or an offspring thereof obtained by mating the G1 transgenic bird according to Claim 1 any one of Claims 1 to 5 with a G0 transgenic bird, another G1 transgenic bird or an offspring thereof, or with a wild-type bird.

- 7. (original): A method for constructing a G1 transgenic bird which comprises incubating a fertilized avian egg,
- a) microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein,
- b) allowing the egg to hatch out to thereby obtain a G0 transgenic chimeric birá, and

- c) mating the G0 transgenic chimeric bird with another G0 transgenic chimeric bird or an offspring thereof or with a wild-type bird.
 - 8. (original): The method for constructing a transgenic bird according to Claim 7 wherein the early embryo is at least 24 hours after the start of incubation.
 - 9. (original): The method for constructing a transgenic bird according to Claim 8 wherein the early embryo is at least 48 hours after the start of incubation.
- 10. (currently amended): The method for constructing a transgenic bird according to Claim 7 any one of Claims 7 to 9

wherein the desired protein is an antibody.

11. (currently amended): The method for constructing a transgenic bird according to Claim 7 any one of Claims 7 to 10

wherein the bird is a chicken or a quail.

12. (currently amended): The method for constructing a transgenic bird according to Claim 7 any one of Claims 7 to 11

which comprises microinjecting a replication-deficient retroviral vector having a titer of not lower than 1×10^7 cfu/ml.

13. (original): The method for constructing a transgenic bird according to Claim 12 which comprises microinjecting a replication-deficient retroviral vector having a titer of not lower than 1×10^9 cfu/ml.

14. (currently amended): A method for constructing a transgenic bird

which comprises mating the G1 transgenic bird according to Claim 1 any one of Claims

1-to-5 with a G0 transgenic bird, another G1 transgenic bird or an offspring thereof or with a wild-type bird to construct a G2 transgenic bird or an offspring thereof.

15. (currently amended): A method for producing a protein which comprises extracting a desired protein from somatic cells, blood or eggs from a

16. (currently amended): A method for sorting out a reproductive lineage transgenic chimeric bird

transgenic bird constructed by the method according to Claim 7 any one of Claims 7 to 14.

which comprises collecting sperm samples from transgenic birds according to <u>Claim</u>

<u>1any one of Claims 1 to 6</u> and testing them for the gene in the sperm.

17. (currently amended): The method for constructing a transgenic bird according to Claim 7any one of Claims 7 to 14

wherein the replication-deficient retroviral vector is a vector derived from Moloney murine leukemia virus.

18. (currently amended): The method for constructing a transgenic bird according to Claim 7 any one of Claims 7 to 14

wherein the replication-deficient retroviral vector is VSV-G pseudotyped.

19. (currently amended): The method for constructing a transgenic bird according to Claim 7any one of Claims 7 to 14, 17 and 18

wherein the replication-deficient retroviral vector contains a non-retrovirus-derived gene.

20. (original): The method for constructing a transgenic bird according to Claim 19 wherein the non-retrovirus-derived gene is controlled under the chicken β-actin promoter.

21. (currently amended): The method for constructing a transgenic bird according to Claim 19-or 20

wherein the non-retrovirus-derived gene codes an antibody.

- 22. (original): The method for constructing a transgenic bird according to Claim 21 wherein the antibody is a chimeric antibody.
- 23. (original): The method for constructing a transgenic bird according to Claim 22 wherein the chimeric antibody is scFv-Fc antibody.
- 24. (currently amended): The transgenic bird which is constructed by the method according to Claim 7 any one of Claims 7 to 14 and 17 to 23.
 - 25. (original): An egg laid by the transgenic bird according to Claim 24 which contains not lower than 1 mg/100 g of the desired protein.
 - 26. (original): An egg laid by the transgenic bird according to Claim 24 which contains not lower than 20 mg/100 g of the desired protein.

27. (original): An egg laid by the transgenic bird according to Claim 24 which contains not lower than 100 mg/100 g of the desired protein.

28. (original): A method for sorting out a reproductive lineage transgenic chimeric bird which comprises incubating a fertilized avian egg, microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein and confirming the gene coding for the desired protein in the sperm of the male G0 transgenic bird obtained by hatching.

29. (currently amended): A method for sorting out a transgenic bird which comprises confirming the expression of the desired protein in the blood of the transgenic bird according to Claim 1 any one of Claims 1 to 6.

30. (original): A method for sorting out a G0 transgenic chimeric bird which comprises incubating a fertilized avian egg, microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein and confirming the expression of the desired protein in the blood of the G0 transgenic bird obtained by hatching.